

Work Order ID 127703

December-17-14 1:50:57 PM

127703

Page 1

Item ID: D4898-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Screw, Stainless Steel
 Start Date: 12/17/14 Start Qty: 50.00 ***50*** Cust Item ID:
 Required Date: 12/17/14 Req'd Qty: 50.00 ***50*** Customer:
 Reference:

Approvals: Process Plan: MCS Date: 14-12-23 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4898	REV A								

100 0.00

100

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 26935

Order From McMaster Carr
Part #91249A146

Specifications as per D4898-1

C OF C IS REQUIRED

0.00

CZ 15/01/06 50

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

Ensure material release note is attached

0.00

100 X 15-01-8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
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Process									
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Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 127703***127703***

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Page 2

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Approvals: Process Plan: Date: Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							DAS 38 9-89
120									
QC	Memo	0.00							
Quality Control									
									JAN 08 2015
130	Identify as per dwg & Stock Location: <u>SC137</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
									JAN 08 2015
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

100X
MLJ 15-01-09
PB-18

DQA: _____ Date: _____



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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Training									
Transport									
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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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127703

D4898-1

Start Date: 12/17/14**Required Date:** 12/17/14

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP Rev. A New Issue 13/09/25 DL VERIFIED BY:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
91249A146		Purchased	No			100	Each	0.0000	1	50			
91249A146 Screw, Stainless Steel													
									**	/COX SP15-01-8			

DQA: _____ Date: _____



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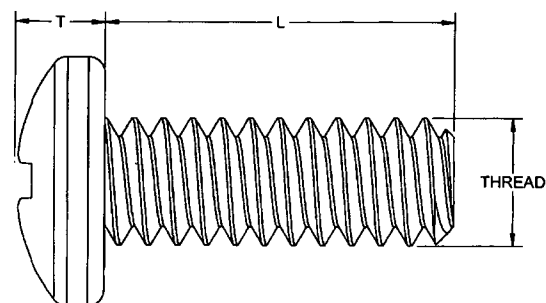
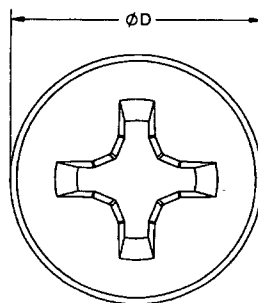
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SPECIFICATION CONTROL DRAWING



1. COPY
 2. RETURN TO
 3. ORDERING
 4. UNCONTROLLED COPY
 5. SUBJECT TO AMENDMENT
 6. NO NOTICE
 7. WORK ORDER
 127703_MW
 14-12-23

D4898-X SCREW

DART PART NUMBER	DESCRIPTION	THREAD	ØD	T	L	VENDOR	VENDOR PART NUMBER	MATERIAL	FINISH
D4898-1	SCREW	#6-32	0.270"	0.097"	0.38"	McMASTER CARR	91249A146	STAINLESS STEEL	BLACK-OXIDE

RELEASED
 2013-09-16

- NOTES:
 1) MATERIAL: PER TABLE
 2) FINISH: PER TABLE
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 6) IDENTIFICATION: N/A
 7) WEIGHT: N/A

A	NEW ISSUE	13.07.30
REV.	DESCRIPTION	BY DATE
DESIGN	OS	DART AEROSPACE USA, INC. KENT, WA DRAWING NO. D4898 TITLE SCREW SCALE NTS DATE 13.07.30 COPYRIGHT © 2013 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.
DRAWN	OS	
CHECKED	PC	
MFG. APPR.	LC	
APPROVED	JS	
DE APPR.		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO26935**

Purchase Order Date 1/6/2015

PO Print Date 1/6/2015

Page Number 2 of 5

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

Line Total: \$4.9

Deliver To: LUC

4	9776K33	Hook And Loop Strip 1"	1/8/2015	75.00	\$1.09	\$81.9
			Yes	f		
			1/8/2015			

AS PER DWG D3800 REV. B
B127766

Line Total: \$81.9

5	7130K41	TIE WRAP	1/8/2015	100.00 ✓	\$0.04	\$4.0
			Yes	Each		
			1/8/2015			

AS PER DWG D3599 REV. A
B127375

Line Total: \$4.0

6	91249A146	Screw, Stainless Steel	1/8/2015	50.00	\$0.04	\$2.2
			Yes	Each		
			1/8/2015			

AS PER DWG D4898 REV. A
B127703

Rec'd 100x
SP15-01-8

Note:

1/6/2015

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO26935

Order Placed By
Chantal Lavoie

McMaster-Carr Number
5509849-01

Page 1 of 1

01/06/20

Line	Product	Ordered	Shipped	
1	1761K22 Galvanized Steel Clamp, 4 Trade Size for, Quick-Assembly Duct Your Part Number: 71400-20	2 Each	2	✓
2	1761K23 Galvanized Steel Clamp, 5 Trade Size for, Quick-Assembly Duct Your Part Number: 71400-20	8 Each	8	✓
3	1317T18 Incandescent Light Bulb, Intermediate-Base, Globe Shape No. S11, 40 Watt, Packs of 1 Your Part Number: 71400-35	2 Packs	2	
4	9776K33 1" W X 75' L Hook, Adhesive Back, Beige, Lengths of 75 Your Part Number: B127766	1 Length	1	
5	7130K41 Nylon Cable Tie, 6" LG, 1-1/2" Bundle Diameter, 10 lb Break Strength, White, Packs of 100 Your Part Number: B127375	1 Pack	1	✓
6	91249A146 Black-Oxide Finish Pan Head Phillips Machine Screw, 18-8 Stainless Steel, 6-32 Thread, 3/8" Length, Packs of 100 Your Part Number: B127703	1 Pack	1	✓
7	63215K34 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 3/8" ID, 13/16" OD, 13/32" Ball Thick Your Part Number: B127926	20 Each	20	
8	92311A599 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50 Your Part Number: B127910	5 Packs	5	
9	91343A100 Type 316 Stainless Steel Serrated-Flange Hex Locknut, 1/4"-20 Thread Size, 7/16" W, 15/64" Overall Height, Packs of 10 Your Part Number: D2484P	5 Packs	5	
10	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand Male Shank, 3/8" Ball ID, 1-1/4" L Thread Your Part Number: B127488	40 Each	40	
11	92311A639 18-8 Stainless Steel Cup Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10 Your Part Number: B127549	5 Packs	5	
12	2939A28 High-Speed Steel Extended-Reach Drill Bit, Uncoated, 3/8", 12" Overall Length, 8.3" Drill Depth Your Part Number: 71500-90	1 Each	1	✓

SPIS-01-7